Oracle

1Z0-898 Exam

Java EE 6 Java Persistence API Developer Certified Expert Exam

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Question: 1

Entity lifecycle call-back methods may be defined in which three classes? (Choose three)

A. Embedded classes
B. Entity classes
C. Abstract classes
D. Entity listener classes
E. Mapped super classes
F. Concrete non-entity super classes

Answer: B,D,E

Explanation:
Reference:
http://stackoverflow.com/questions/3747268/how-to-inject-a-springs-service-bean-intoa-jpa-entity
(See the answer, first paragraph)

Question: 2

A developer wrote an entity class with the following method:
Private static Logger logger = Logger.getLogger ("myLogger");
@PrePersist
@PreUpdate
Public void doA () {
Logger.info ("A");
}
@PostPersist
@PostUpdate
Public void doB () {
logger.info ("B");
}
What will the log message contain when an application does the following?
1. Begins a transaction
2. Creates the entity
3. Persists the entity
4. Commits the transaction
5. Begins the entity data
6. Modifies the entity data
7. Merges the entity
8. Commits the second transaction

A. A
A
B
B

B. A
B
A
B
C. A
B
B
A
B
D. The application will throw an exception because multiple lifecycle call-back annotations applied to a single method.

Answer: B

Question: 3

Given the following code:
Public void create () {
try {
doA () {
} catch (PersistenceException e) {}
try (doB) ();
} catch (PersistenceException e) {}
}
Calling method doA will cause an NonUniqueResultException to be thrown. Calling method doB will cause an EntityExistsException to be thrown. What two options describe what will happen when the create method is called within an application ' uses container managed transactions? (Choose two)

A. Method doB will never be called.
B. The current transaction will continue after doA executes.
C. The current transaction will continue after doB executes.
D. The current transaction will be marked for rollback when doA is called.
E. The current transaction will be marked for rollback when doB is called.

Answer: C,E

Question: 4

An application that uses pessimistic locking calls an update Data method that results in a LockTimeoutException being thrown. What three statements are correct? (Choose three)

A. The current transaction continues.
B. The current statement continues.
C. The current transaction is rolled back.
D. The current statement is rolled back.
E. The LockTimeoutException can NOT be caught.
F. The LockTimeoutException can be caught, and the update Data method retried.

Answer: A,D,F

Question: 5

A developer has created a deep entity class hierarchy with many polymorphic relationships between entitles. Which inheritance strategy, as defined by the inheritance Type enumerated type, will be most performed in this scenario?

A. Single table-per-class-hierarchy (InheritanceType.SINGLE_TABLE)
B. Joined-subclass (inheritanceType. JOINED)
C. Table-per-concrete-class (inheritanceType.TABLE_PER_CLASS)
D. Polymorphic join table (inheritanceType. POLYMORPHIC_JOIN_TABLE)

Answer: C

Question: 6

A developer is creating an entity which is mapped to a table that has a primary key constraint defined on two character columns and would like to use mapping defaults as much as possible to simplify the code. Which two mapping options can be chosen? (Choose two.)

A. Use an @id property that constructs a private field as a concatenation of two columns.
B. Use a separate class to map those two columns and use an @idclass annotation to denote I primary key field or property in the entity.
C. Use a separate @Embeddable class to map those two columns and use an @EmbeddedId annotation to denote a single primary key field or property in the entity.
D. Use a separate @Embeddable class to map those two column and add two fields or properties the entity, each marked as @id, that correspond to the fields or properties in the embeddable class.
E. Use a separate class to map those two columns. Specify that class using @Idclass annotation on the entity class. Add two fields or properties to the entity, each marked as @Id, that correspond to the fields or properties in that separate class.

Answer: B,C

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